

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Loren Cook Company 2015 E. Dale Street Springfield, MO 65803

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model ASP Steel Rooftop Fan

APPROVAL DOCUMENT: Drawing No. SD080717-13, titled "ASP-Supply Vent Sizes 90-200 Hurricane Rated", sheets 1 through 9 of 9, dated 09/19/2013, prepared by Loren Cook Company, signed and sealed by Bradley F. Skidmore, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA renews NOA # 12-0814.12 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.

MIAMIDADE COUNTY

A10/17/2013

NOA No. 13-0708.11 Expiration Date: November 13, 2018 Approval Date: October 24, 2013 Page 1

Loren Cook Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. SD080717-13, titled "ASP-Supply Vent Sizes 90-200 Hurricane Rated", sheets 1 through 9 of 9, 09/19/2013, prepared by Loren Cook Company, signed and sealed by Bradley F. Skidmore, P.E.

B. TESTS "Submitted under NOA # 08-0904.04"

- 1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of Series/Model ASP, metal roof vent, prepared by Architectural Testing, Inc., Test Report No. 79143.01-801-18, dated 03/03/2008, signed and sealed by Jeffrey T. Kaminski, P.E.

C. CALCULATIONS "Submitted under NOA # 12-0814.12"

1. Wind Loads and anchor calculations, prepared by Loren Cook Company, dated 06/12/2012, signed and sealed by Bradley F. Skidmore, P.E.

"Submitted under NOA # 08-0904.04

2. Wind Load and Anchor verification calculations, prepared by Tom Barrow Co., complying with FBC-2004, dated 07/18/2008, signed and sealed by John D. Winslow, P.E.

D. OUALITY ASSURANCE

Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

Statement letter of code conformance to 2010 FBC issued by Loren Cook Company, dated 06/27/2013, signed and sealed by Bradley F. Skidmore, P.E.

"Submitted under NOA # 12-0814.12"

2. No financial interest letter issued by Loren Cook Company, dated 09/05/2012, signed and sealed by Bradley F. Skidmore, P.E.

"Submitted under NOA # 08-0904,04

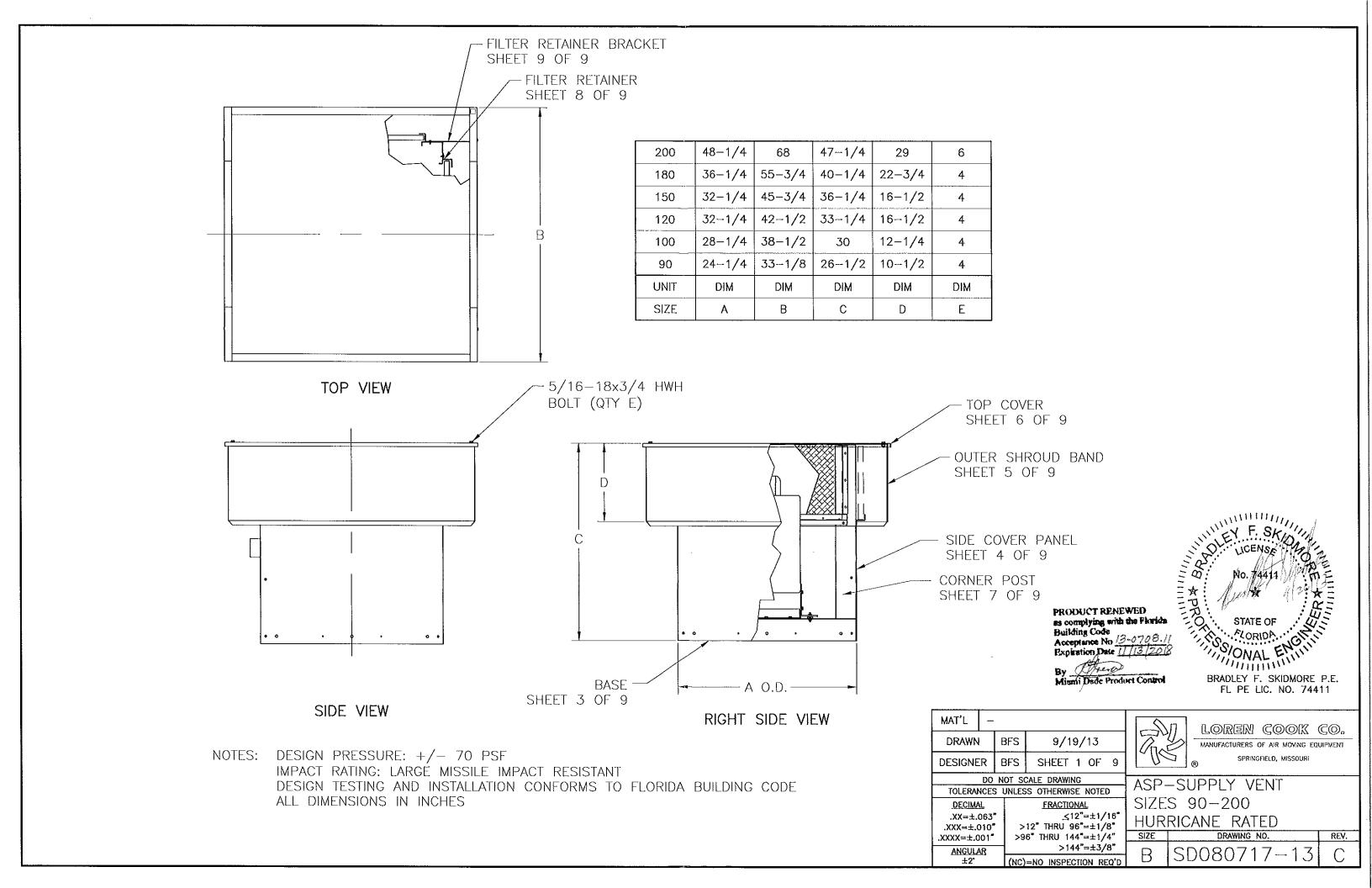
3. Laboratory compliance letter issued by Architectural Testing, Inc., for Test Report No. 79143.01-801-18, dated 03/04/2008, signed and sealed by Jeffrey T. Kaminski, P.E.

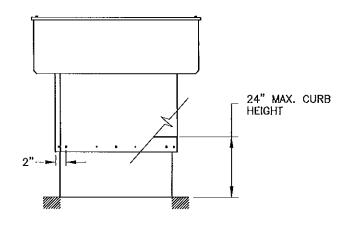
Carlos M. Utrera, P.E.

Product Control Examiner

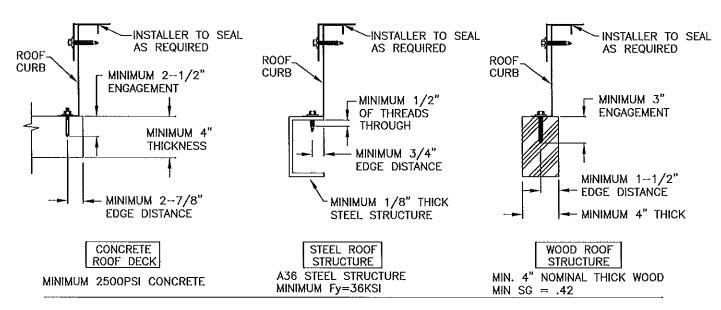
NOA No. 13-0708.11

Expiration Date: November 13, 2018 Approval Date: October 24, 2013





ATTACHMENT OF CURB TO ROOF STRUCTURE



	FASTENER TABLE						
UNIT SIZE	MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH UNIT TO CURB	MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH CURB TO ROOF STRUCTURE					
90	3	6					
100	4	6					
120	5	8					
150	5	8					
180	7	10					
200	9	14					

NOTES:

- 1) ASP POWER VENTILATOR AS REFERRED TO HEREIN REFERS TO ALL LOREN COOK MODEL ASP SUPPLY VENTILATORS INCLUDING BOTH DIRECT DRIVE AND BELT DRIVE TYPE UNITS WHICH ARE CONSTRUCTED USING THE SAME G-90 GALVANIZED STEEL OUTER HOUSING COMPONENTS.
- 2) THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY OF THE EXTERIOR HOUSING ONLY, IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.
- 3) THIS PRODUCT HAS NOT BEEN TESTED FOR WATER PENETRATION ACCORDING TO FLORIDA BUILDING CODE TAS 100(A) WIND DRIVEN RAIN TEST. IT CANNOT BE INSTALLED WITHIN THE RIDGE AREA FBC 1523.6.5.2.13
- 4) UNIT IS TO INCLUDE A CURB CAP BASE TO FACILITATE MOUNTING OF THE UNIT TO A CURB. THE CURB WILL BE ADEQUATELY ATTACHED TO THE BUILDING STRUCTURE TO SUSTAIN ALL FORCES WHICH MAY BE PRODUCED BY THE PRESCRIBED ENVIROMENTAL FORCES EXERTED ON THE FAN AND CURB. THE CURB MUST BE ATTACHED TO A STRUCTURAL MEMBER OF THE BUILDING.

CONCRETE DECK: CURB IS TO BE ATTACHED WITH WEDGE TYPE CONCRETE ANCHOR - MINIMUM 3/8" DIAMETER CARBON STEEL - HILTI KWIK BOLT 3 OR EQUAL, MINIMUM 2-1/2" OF ENGAGEMENT IN 2000 PSI MINIMUM CONCRETE. MINIMUM DECK THICKNESS IS 4" AND ANCHORS ARE MINIMUM 2-7/8" FROM EDGE. SEE TABLE FOR MINIMUM QUANTITY OF ANCHORS REQUIRED PER CURB SIDE.

STEEL ROOF STRUCTURE: CURB IS TO BE ATTACHED WITH SELF--TAPPING STEEL SCREW OF MINIMUM NOMINAL SIZE OF 3/8" DIAMETER AND SCREW SHALL PASS THROUGH STEEL AT LEAST 1/2". THE SCREW MUST BE AT LEAST 2 SCREW DIAMETERS FROM MATERIAL EDGE. SEE TABLE FOR MINIMUM QUANTITY OF SCREWS REQUIRED PER CURB SIDE.

WOOD ROOF STRUCTURE: CURB IS TO BE ATTACHED WITH STEEL LAG BOLTS NOMINAL SIZE OF 3/8" DIAMETER. WOOD IS TO BE 4" NOMINAL SIZE OR GREATER. THE BOLT SHALL HAVE A MINIMUM OF 3" OF THREAD ENGAGEMENT AND SHALL BE AT LEAST 1-1/2" FROM MATERIAL EDGE. SEE TABLE FOR MINIMUM QUANTITY OF BÓLTS REQUIRED PER CURB SIDE.

- 5) THE CURB SHALL BE CONSTRUCTED OF 5052H-34 ALUMINUM OR G-90 GALVANIZED STEEL OR STAINLESS STEEL. THE CURB MATERIAL THICKNESS SHALL BE 18 GA (.0470") OR GREATER. THE CURB HEIGHT SHALL NOT EXCEED 24".
- 6) THE ASP POWER SUPPLY VENTILATOR SHALL BE ATTACHED TO THE CURB WITH ONE OF THE FOLLOWING METHODS INSTALLED ON ALL FOUR SIDES OF THE CURB CAP. THE FASTENERS SHALL BE 2" FROM EACH CORNER OF THE FAN BASE. THE QUANTITY OF FASTENERS INTO EACH CURB SIDE SHALL EQUAL OR EXCEED THE QUANTITY SHOWN IN THE FASTENER TABLE (AT LEFT).
 - #12 X 2" HEX WASHER HEAD SELF-DRILLING SCREW
 - ÄLTERNATE FASTENER .25" HEX HEAD BOLT AND WASHER WITH COMPANION NUT INSTALLED ON THE INTERIOR OF THE CURB.
- 7) ALL FASTENERS ARE TO BE HIGH QUALITY CORROSION RESISTANT STEEL OR STAINLESS STEEL.
- 8) ANY GAP BETWEEN THE CURB AND CURB CAP SHALL BE FILLED BY THE INSTALLING CONTRACTOR WITH A SUITABLE CORROSION RESISTANT MATERIAL THAT ALLOWS THE FASTENERS TO BE INSTALLED WITHOUT CAUSING EXCESSIVE DISTORTION OF THE UNIT FLANGES.
- 9) THE INSTALLER IS RESPONSIBLE FOR CHECKING THAT ALL FASTENERS ARE PROPERLY INSTALLED AND ALL ACCESS PANELS ARE IN PLACE BEFORE PUTTING THE UNIT INTO SERVICE.
- 10) ALL FASTENERS AND ACCESS PANELS MUST BE PROPERLY INSTALLED AFTER MAINTENANCE OPERATIONS FOR UNIT TO MAINTAIN CODE COMPLIANCE.

Mismi/Dade Product Control STOPEY FORKING No 2 STATE OF . CORIDA. SONAL BRADLEY F. SKIDMORE P.E.

PRODUCT RENEWED

Othero

Building Code

as complying with the Florida

Expiration Date 1113 2018

Acceptance No 13-0708.

MAT'L DRAWN **BFS** 09/19/13 DESIGNER BFS SHEET 2 OF 9 DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED **DECIMAL** FRACTIONAL

ASP-SUPPLY VENT SIZES 90-200 HURRICANE RATED SIZE DRAWING NO.

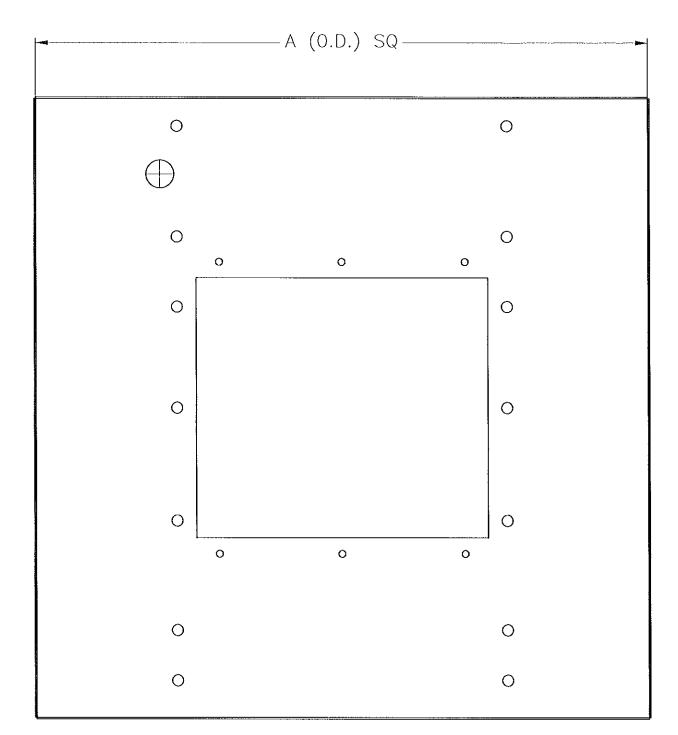
REV. SD08071

LOREN COOK CO.

MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI

<12"=±1/16" .XX=±.063" >12" THRU 96"=±1/8" .XXX=±.010" >96" THRU 144"=±1/4" "100.±=XXXX >144"=±3/8"

ANGULAR FL PE LIC. NO. 74411 (NC)=NO INSPECTION REQ'D ±2°

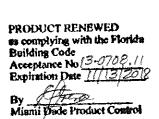


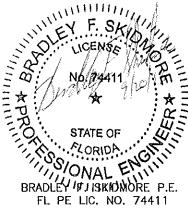
FORMED BOTTOM VIEW

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FORMED SIDE VIEW

200	48-1/4
180	36-1/4
150	32-1/4
120	32-1/4
100	28-1/4
90	24-1/4
UNIT	Α
SIZE	DIM



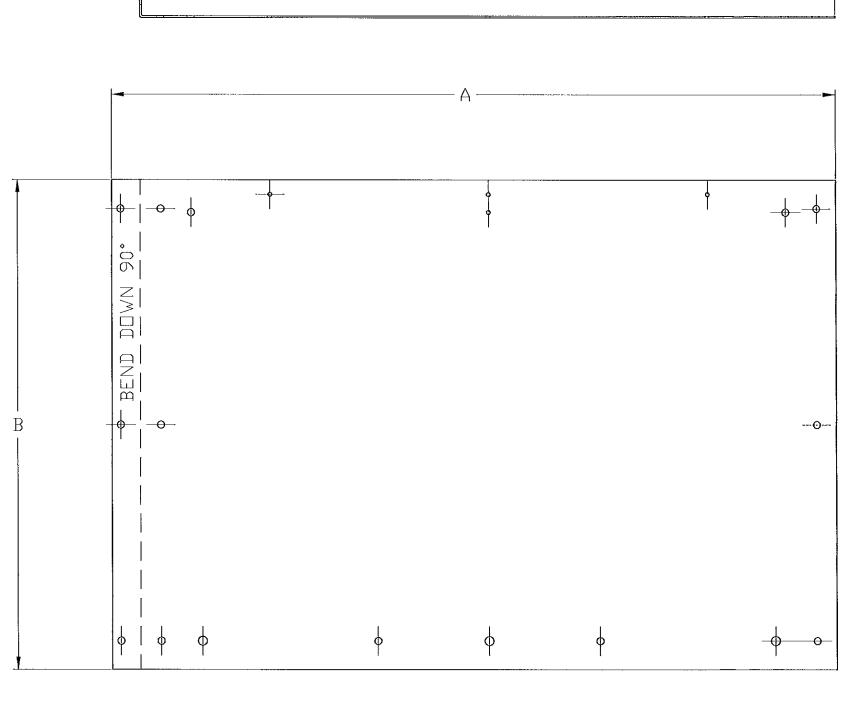


	MAT'L 16 GA G-90 GALV STEEL				Γ
	DRAWN	1	BFS	09/19/13	
i	DESIGNE	R	BFS	SHEET 3 OF 9	Ĺ
-	DO NOT SCALE DRAWING				
i	TOLERANCES UI			ss otherwise noted	Α
	DECIM/	<u>L</u>		FRACTIONAL	S
	.XX=±.063"			≤12"=±1/16"	L
	.XXX=±.010"			12" THRU 96"=±1/8"	- 1
	.xxxx.	01"	>9	96" THRU 144"=±1/4"	:
	ANGULAR		1	>144"=±3/8"	
	±2'		(NC)=NO INSPECTION REQ'D	

LOREN COOK CO. MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI

ASP-SUPPLY VENT SIZES 90-200 HURRICANE RATED SIZE DRAWING NO. REV.

SD080717-13



SIZE	9	SHOWN

20	49-9/32	20-1/4	48-9/32
18	37-9/32	21	36-9/32
15	33-9/32	21	32-9/32
12	33-9/32	18	32-9/32
10	29-9/32	18-3/4	28-9/32
9	25-9/32	17	24-9/32
UNIT	А	В	С
SIZE	DIM	DIM	DIM

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0708.//
Expiration Date [1/13/2018
By Minus Dade Product Control

Nothany for A
STATE OF CONTROL OF CO
BRADLEY F. SKIDMORE P.E. FL PE LIC. NO. 74411

MAT'L	18	B GA.	G-90 GALV STEEL
DRAWN E		BFS	09/19/13
DESIGNER E		BFS	SHEET 4 OF 9
DO NOT SCALE DRAWING			
TOLERA	NCES	UNLES	SS OTHERWISE NOTED
DECIMAL			FRACTIONAL
.XX=±.063"			≤12"=±1/16"
.XXX=±.010"			12" THRU 96"=±1/8"
.XXXX=±.001*		>9	6" THRU 144"=±1/4"
ANGULAR			>144"=±3/8"

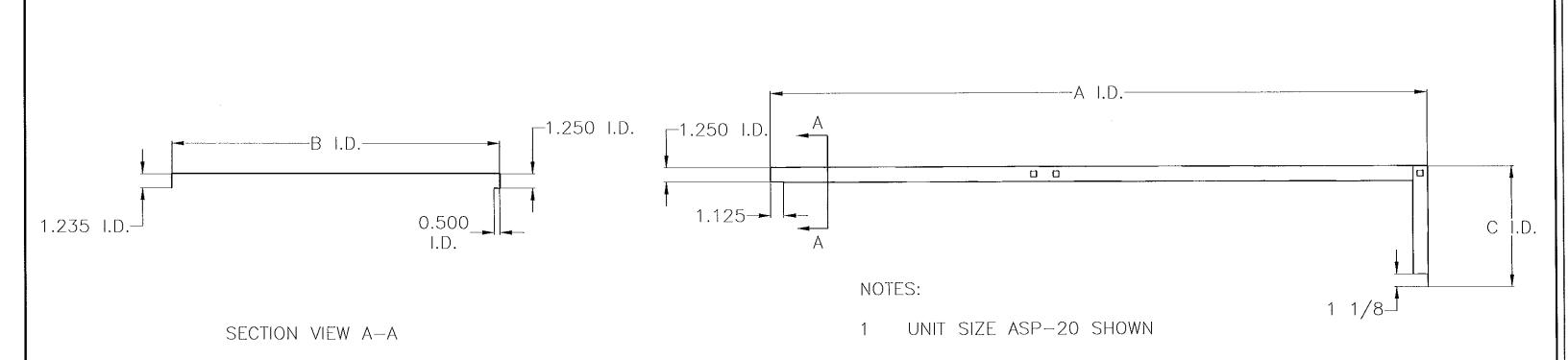
(NC)=NO INSPECTION REQ'D

ANGULAR ±2'

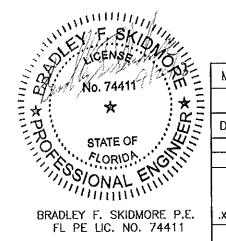
LOREN COOK CO. MANUFACTURERS OF AIR MOVING EQUIPMENT

SPRINGFIELD, MISSOURI

ASP-SUPPLY VENT SIZES 90-200 HURRICANE RATED SIZE DRAWING NO. REV. SD080717-13



200	58-1/8	29	10-5/8
180	46-1/8	22-3/4	10-1/2
150	39-1/8	16-1/2	7-1/2
120	37	16-1/2	6-3/8
100	33	12-1/4	6-3/8
90	28-5/16	10-1/2	5-11/16
UNIT	Α	В	С
SIZE	DIM	DIM	DIM



MAT'L 18 GA. G-90 GALV. STEEL BFS DRAWN 09/19/13 BFS SHEET 5 OF 9 DESIGNER DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED FRACTIONAL

\$\frac{12" = \pm 1/16"}{512" \text{THRU } 96" = \pm 1/8"}

>96" \text{THRU } 144" = \pm 1/4"

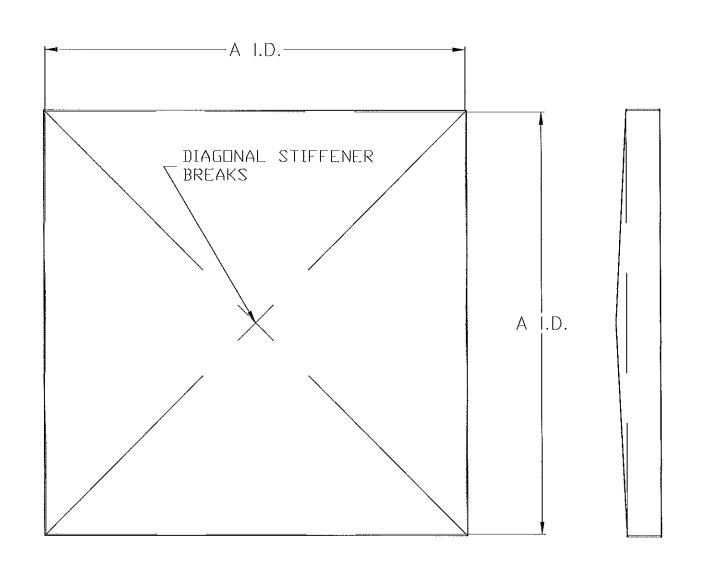
>144" = \pm 3/8" DECIMAL. .XX=±.063" .XXX=±.010" .XXXX=±.001" ANGULAR ±2

(NC)=NO INSPECTION REQ'D

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No 13-0708.//
Expiration Date 1/1/13/2018 By Mismy Dade Product Control

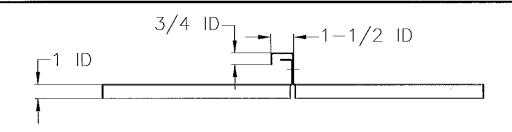


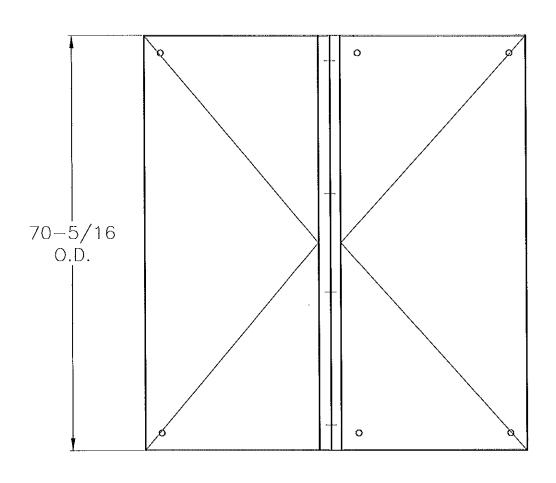
ASP-SUPPLY VENT SIZES 90-200 HURRICANE RATED SIZE DRAWING NO. REV. SD080717-13

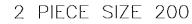


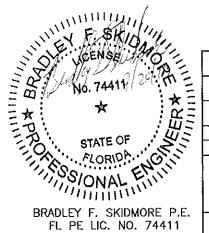
1 PIECE SIZE 90-180

200	49-3/16
180	37-3/16
120	33
100	29
90	25
UNIT	Α
SIZE	DIM









.	MAT'L 18		B GA. G-90 GALV STL			ſ
11111	DRAWN		BFS	09/19/13		
1111	DESIGNE	R	BFS	SHEET 6 OF 9		L
7		CALE DRAWING		7		
	TOLEDANGES UNITED OTHERWISE MOTER					F

TOLERANCES UNLESS OTHERWISE NOTED DECIMAL .XX=±.063" .XXX=±.010" .XXXX=±.001" ANGULAR ±2'

(NC)=NO INSPECTION REQ'D

LOREN COOK CO. MANUFACTURERS OF AIR MOVING EQUIPMENT

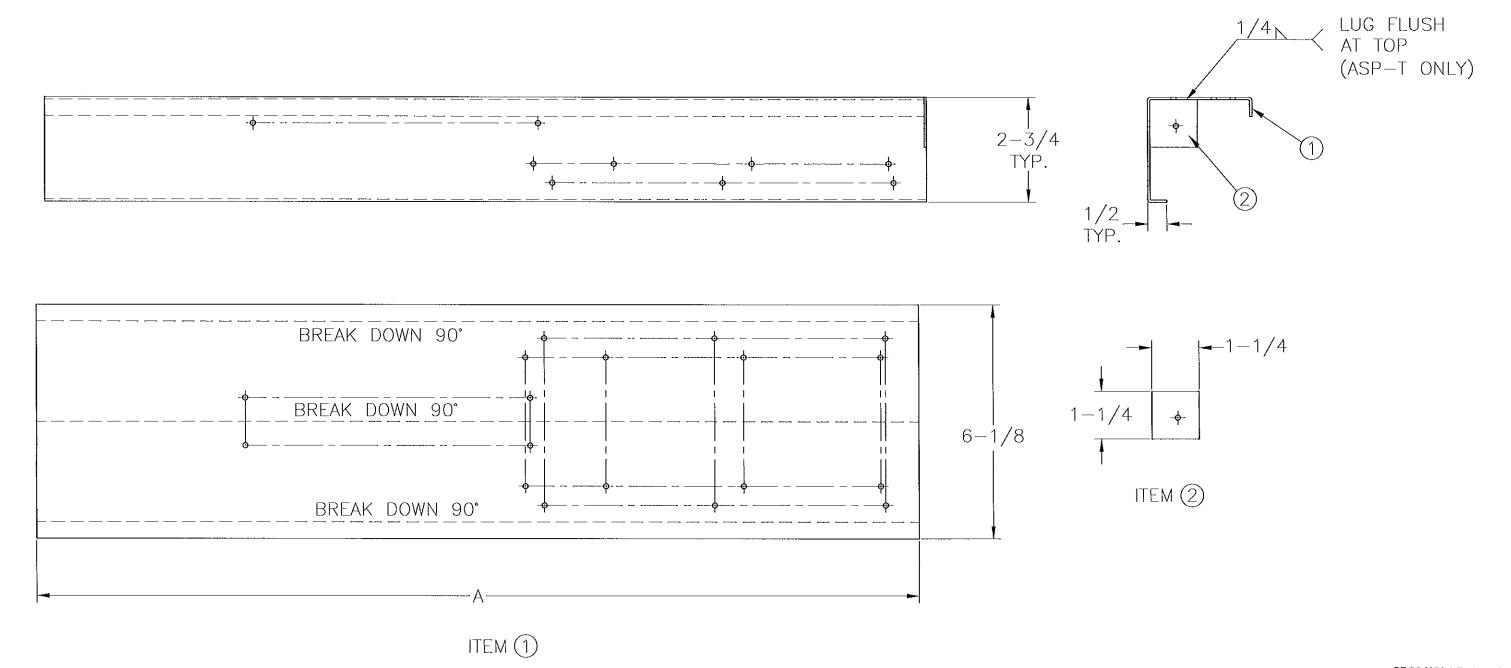
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0708.11
Expiration Date 11/13/2018
By

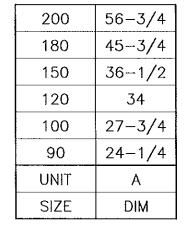
Miami/Dade Product Control

SPRINGFIELD, MISSOURI

ASP-SUPPLY VENT SIZES 90-200 HURRICANE RATED SIZE DRAWING NO. REV.

SD080717-13

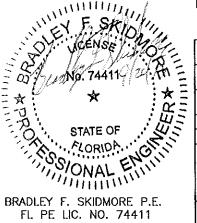






1. UNIT SIZE 9 SHOWN.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No [3 0708.1]
Expiration Date 11/13/2018
By Misery Dade Product Control



MAT'L. 16 GA. G-90 GALV STL				
DRAWN B		BFS	09/19/13	
DESIGNE	R	BFS	SHEET 7 OF 9	
DO NOT SCALE DRAWING				
TOLERANCES UNLESS OTHERWISE NOTED			SS OTHERWISE NOTED	1
<u>DECIM</u>	\L		FRACTIONAL	
.xx=±.	063'		≤12"=±1/16"	
.XXX=±.010*			>12" THRU 96"=±1/8"	
.xxxx.	001"	>9	6" THRU 144"=±1/4"	
ANGUL	١R	¬	>144"=±3/8"	
±2*		(NC)	⇒NO INSPECTION REQ'D	



LOREN COOK CO.

MANUFACTURERS OF AIR MOVING EQUIPMENT

SPRINGFIELD, MISSOURI

OT SCALE DRAWING
UNLESS OTHERWISE NOTED

FRACTIONAL

\$12"=\pm\1/16" \ \$12\text{SIZES} 90-200 \ HURRICANE RATED

\$96" THRU 144"=\pm\1/4" \ \$144"=\pm\3/8" \ (NC)=NO INSPECTION REQ'D

OT SCALE DRAWING

ASP-SUPPLY VENT

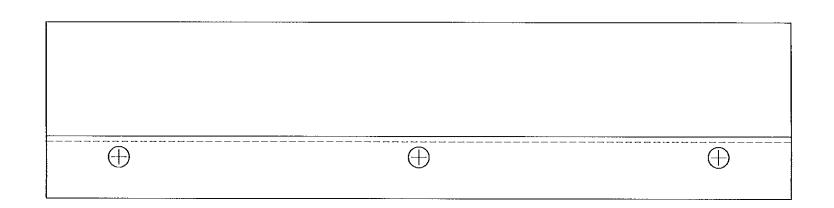
\$1ZES 90-200

HURRICANE RATED

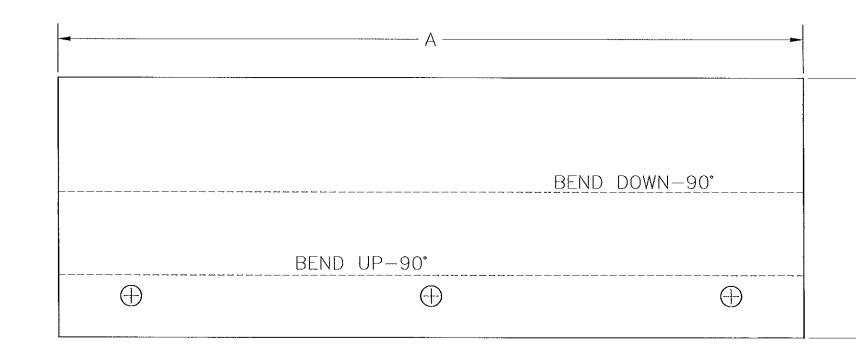
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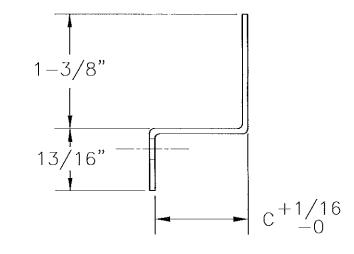
\$12\text{REV.}

\$144"=\pm\3/8" B \$1080717-13 C



SIZE 9 SHOWN





PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0708.11

Expiration Date 11/1 By Misrdi Dade Product Control

	200	26-1/2	3-5/32	1-1/32	4-5/32	2-1/32	
	180	18-3/4	3-5/32	1-1/32	4-5/32	2-1/32	
	120	14-3/4	3-5/32	1-1/32	4-5/32	2-1/32	
	100	10-3/4	3-5/32	1-1/32	4-5/32	2-1/32	
	90	9	3-5/32	1-1/32	4-5/32	2-1/32	
2	SIZE	DIM	В	С	В	С	
	UNIT	Α	1" FI	LTER	2" FILTER		

18 GA. G-90 GALV, STL DRAWN BFS 09/19/13

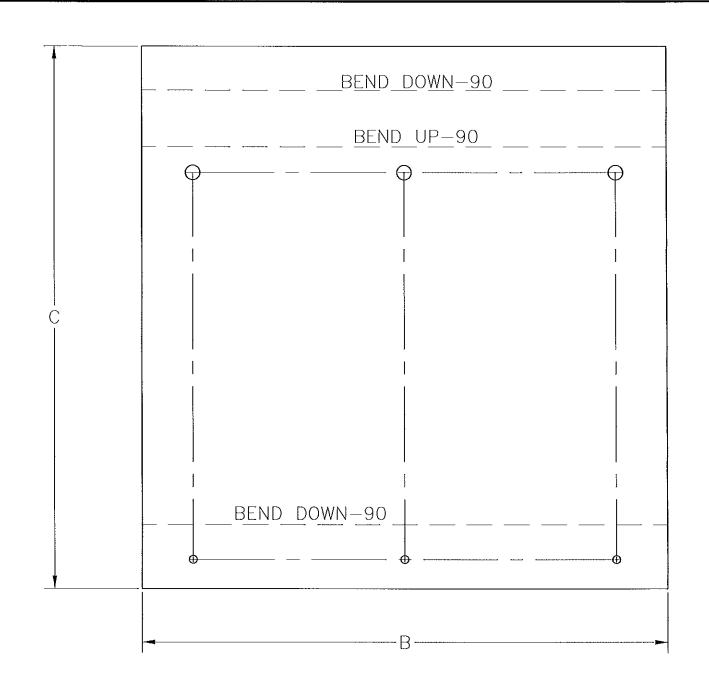
BRADLEY F. SKIDMORE P.E. FL PE LIC. NO. 74411

<u>.</u>									
DESIGNER	BFS	SHEET 8 OF 9							
DO NOT SCALE DRAWING									
TOLERANCES	TOLERANCES UNLESS OTHERWISE NOTED								
DECIMAL		FRACTIONAL							
.XX=±.063		≤12"=±1/16"							
.XXX=±.010		>12" THRU 96"=±1/8"							
.XXXX=±.001	>9	>96" THRU 144"=±1/4"							
ANGULAR	┪	>144"=±3/8"							
±2'	(NC)	(NC)=NO INSPECTION REQ'D							



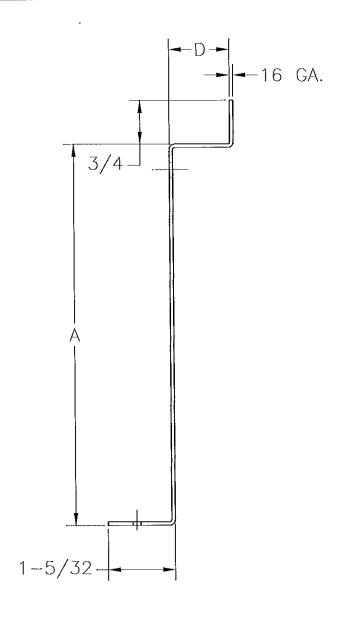
REV.

ASP-SUPPLY VENT SIZES 90-200 HURRICANE RATED SIZE DRAWING NO. SD080717-



SIZE 9 SHOWN

200	11.94	26-1/2	14-5/8	15-5/8	1.03	2.03
180	11.81	18-3/4	14-1/2	15-1/2	1.03	2.03
150	8.81	14-3/4	11-1/2	12-1/2	1.03	2.03
120	7.19	14-3/4	9-7/8	10-7/8	1.03	2.03
100	7.19	10-3/4	9-7/8	10-7/8	1.03	2.03
90	6.50	9	9-3/16	10-3/16	1.03	2.03
UNIT	Α	В	С	С	D	D
SIZE	DIM	DIM	1"FILTER	2"FILTER	1"FILTER	2"FILTER



PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 13-0704.11 Expiration Date 1113 2018

By Miarai Dade Product Control

16 GA. G-90 GALV. MAT'L. DRAWN BFS 09/19/13 DESIGNER BFS SHEET 9 OF 9

LOREN COOK CO. MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI

DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED

DECIMAL .XX=±.063" .XXX=±.010" "100.±=XXXX. ANGULAR ±2

FRACTIONAL

\$\leq 12" = \pm 1/16"

>12" THRU 96" = \pm 1/8"

>96" THRU 144" = \pm 1/4"

>144" = \pm 3/8"

(NC)=NO INSPECTION REQ'D

ASP-SUPPLY VENT SIZES 90-200 HURRICANE RATED SIZE DRAWING NO.

REV. SD080717-13

STATE OF CORIDA CONTINUES

BRADLEY F. SKIDMORE P.E. FL PE LIC. NO. 74411